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| FORM PTO-1 REV. 6-89) | | | | | | | | 1 | MENT OF COMM Patent and Trad | entraris Office | Attorney's Docket No. 4443 | | Serial No. 09/653,154 | | |
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| U.S. PATENT DOCUMENTS | | | | | | | | | | | | | | | |
| Examiner Initial | | Document Number | | | | | | | Date | Name | | | Subclass | Filing D | |
| JWC | Α | 4 | | 5 | | 4 | | | 6/28/88 | Larkin et al. | | 3119 | 430 | 8/ | 186 |
| JWC | В | 4 | | | | 7 | <u> </u> | 5 | 11/21/89 | Silver | | 455 | 516.2 | 3 | 189 |
| TWC | С | 5 | | 1 | 7 | 4 | | 5 | 5/26/92 | MacDonald | | 381 | 20279 | 3/ | 91 |
| TWC | D | 5 | 3 | 6 | L | 8 | | 7 | 12/6/94 | Sacherman et al. | | 29 0 | 5947 | 12 | 492 |
| JWC | E | 5 | 3 | 8 | 1 | 4 | | 6 | 1/10/95 | Ludeke et al. | | 380 | 315 | ⊘ 2 | 194 |
| TWC | F | D | 3 | 6 | 1 | 0 | 6 | 6 | 8/8/95 | Langhorn et al. | | | Central Co | <u> </u> | _ |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | | | |
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